

What is claimed is:

1. A bill of material (BOM) sorting system for sorting original BOMs, the system comprising:

a database server comprising an original BOM file which comprises information on parts for a product and a part specification file which comprises assembly methods of the parts; and

a BOM sorting module for accessing the original BOM file and the part specification file, for sorting parts in the original BOM file according to the part specification file, for generating a plurality of sub-files, and for integrating all the sub-files into an executable BOM file.

2. The BOM sorting system according to claim 1, wherein the BOM sorting module is installed in each of a plurality of designing computers.

3. The BOM sorting system according to claim 1, wherein the information on the parts comprise a part item name, amount of the part in the product, the part's position in the product, the part's specification, and a detailed description of the part.

4. The BOM sorting system according to claim 1, wherein the data on the assembly methods of the parts comprise information on surface mount devices (SMD), pin through hole (PTH) and empty.

5. The BOM sorting system according to claim 1, wherein the sub-files comprise an SMD sub-file, a PTH sub-file and an empty sub-file corresponding to different assembly methods.

6. The BOM sorting system according to claim 1, further comprising a database connection module for connecting the BOM sorting module with the files in the database server, wherein the files comprises the part specification file, the original BOM file and the executable BOM file.

7. The BOM sorting system according to claim 1, wherein the database server

comprises a database management module for managing the part specification file, the original BOM file and the executable BOM file, and for creating, adding, deleting, updating and inquiring records in said files.

8. A bill of material (BOM) sorting method for sorting original bills of material (BOMs), the method comprising the steps of:

accessing an original BOM file and a part specification file;  
sorting parts in the original BOM file according to the part specification file;  
generating a plurality of sub-files; and  
integrating all the sub-files into an executable BOM file.

9. The BOM sorting method according to claim 8, wherein the part specification file comprises assembly methods of parts.

10. The BOM sorting method according to claim 9, wherein the assembly methods comprise surface mount devices (SMD), pin through hole (PTH) and empty.

11. The BOM sorting method according to claim 8, wherein the sub-files comprise an SMD sub-file, a PTH sub-file and an empty sub-file.

12. A method of sorting bill of material (BOM), comprising:

providing a database server comprising an original BOM file, an executable BOM file and a part specification file; and

using a BOM sorting module to connect the database server via a database connection module and a database management module, so as to integrate plural sub-files in said executable file, wherein said sub-files are generated by sorting parts in the original BOM file according to the part specification file.